

## Polyram Polytron P50B11 Homopolymer Polypropylene, Chemically Coupled 50% LGF

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 50% Glass Fiber Filler

**Material Notes:**

A chemically coupled 50% LGF reinforced black PP, heat stabilized for injection molding applications. Information provided by Polyram Ram On Ind.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polyram-Polytron-P50B11-Homopolymer-Polypropylene-Chemically-Coupled-50-LGF.php](http://www.lookpolymers.com/polymer_Polyram-Polytron-P50B11-Homopolymer-Polypropylene-Chemically-Coupled-50-LGF.php)

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in <sup>3</sup>	ASTM-D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	135 MPa	19600 psi	ASTM-D638
Elongation at Break	2.0 %	2.0 %	ASTM-D638
Tensile Modulus	13.9 GPa	2020 ksi	ASTM-D790
Flexural Strength	210 MPa	30500 psi	ASTM-D790
Flexural Modulus	11.0 GPa	1600 ksi	ASTM-D790
Izod Impact, Notched	2.50 J/cm @Temperature 23.0 °C	4.68 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	159 °C	318 °F	ASTM-D648

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